

PACKET HEADERS

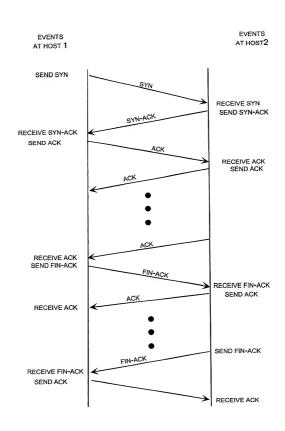


FIG. 3

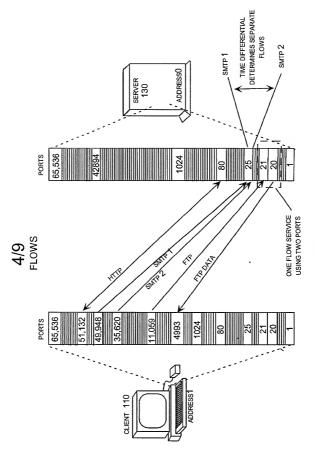
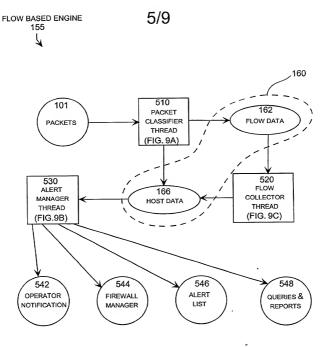


FIG. 4

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PROGRAM THREADS: SQUARES

DATA STRUCTURES: OVALS

DATA INPUT/OUTPUT: CIRCLES

FIG. 5

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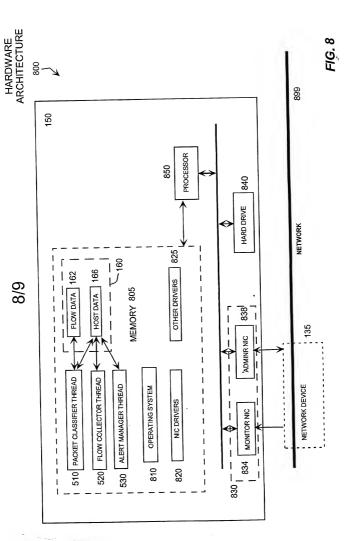
TABLE I			
NAME	<u>POTENTIAL INTRUDER</u>	RESPONSE	CIVALUE
POTENTIAL TCP PROBE	TCP PACKETS	RESET PACKETS	NUMBER OF PACKETS
POTENTIAL UDP PROBE	UDP PACKEST	ICMP PORT UNAVAILABLEPCKETS	NUMBER OF ICMP PORT UNAVAILABLE PACKETS
HALF-OPEN ATTACK	HIGH NUMBER AND RATE OF SYNS	SYN-ACKS	5000+501 PER SYN-ACK
TCP STEALTH PORT SCAN	MULTIPLE PACKETS FROM SAME SOURCE PORT TO DIFFERENT DESTINATION PORTS	RESETS	8000+1010 PER PORT OVER 4
UDP STEALTH PORT SCAN	MULTIPLE PACKETS FROM SAME SOURCE PORT TO DIFFERENT DESTINATION PORTS	NOTHING OR ICMP PORT UNAVAILABLE	8000+1010 PER PORT OVER 4
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FLOW-BASED CI VALUES *FIG.* 6

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TABLEII			
NAME	POTENTIAL INTRUDER	RESPONSE	CIVALUE
BAD FLAGS	TCP PACKET WITH UNDEFINED FLAGS		200
SHORT UDP	UDP PACKET LESS 2 DATA BYTES		200
ADDRESS SCAN	PACKETS TO MORE THAN 8 HOSTS ON SAME SUBNET	NOTHING OR RESETS	3000 РЕК DETECT
PORT SCAN	PACKETS TO MORE THAN 4 PORTS	RESETS	1010 PER PORT OVER 4

CI EVENT VALUES



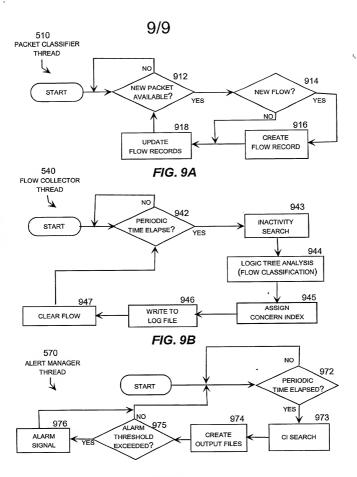


FIG. 9C